




Product datasheet

Anti-beta 1 Adrenergic Receptor antibody ab77189

★★★★★ [3 Abreviews](#) [9 References](#) [2 Images](#)

Overview

Product name	Anti-beta 1 Adrenergic Receptor antibody
Description	Goat polyclonal to beta 1 Adrenergic Receptor
Host species	Goat
Tested applications	Suitable for: ICC/IF, IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Guinea pig, Cat, Rhesus monkey, Gerbil 
Immunogen	Synthetic peptide corresponding to Human beta 1 Adrenergic Receptor (internal sequence). Sequence: ESDEARRCYNDPK Database link: NP_000675.1  Run BLAST with  Run BLAST with
Positive control	IHC-P: Human heart tissue. ICC/IF: HeLa cells
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 0.5% BSA, Tris buffered saline
Purity	Immunogen affinity purified
Purification notes	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity

	chromatography using the immunizing peptide.
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab77189 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		Use a concentration of 10 µg/ml.
IHC-P	★★★★★ (1)	Use a concentration of 6 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Target

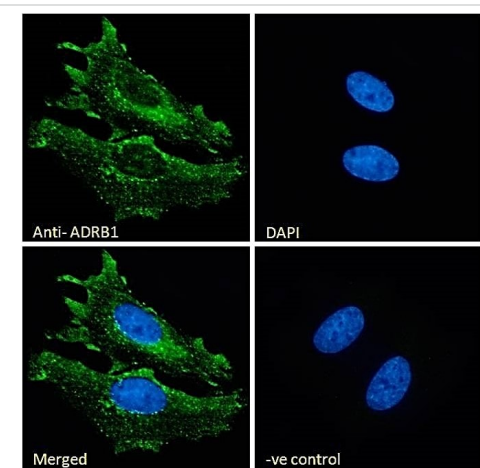
Function	Beta-adrenergic receptors mediate the catecholamine-induced activation of adenylate cyclase through the action of G proteins. This receptor binds epinephrine and norepinephrine with approximately equal affinity.
Sequence similarities	Belongs to the G-protein coupled receptor 1 family. Adrenergic receptor subfamily. ADRB1 subfamily.
Domain	The PDZ domain-binding motif mediates competitive interactions with GOPC, MAGI3 and DLG4 and plays a role in subcellular location of the receptor.
Post-translational modifications	Homologous desensitization of the receptor is mediated by its phosphorylation by beta-adrenergic receptor kinase.
Cellular localization	Cell membrane. Localized at the plasma membrane. Found in the Golgi upon GOPC overexpression.

Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-beta 1 Adrenergic Receptor antibody (ab77189)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human heart tissue labelling beta 1 Adrenergic Receptor with ab77189 at 6 µg/mL. Heat mediated antigen retrieval was performed with citrate buffer pH 6. HRP-staining.



Immunocytochemistry/ Immunofluorescence - Anti-beta 1 Adrenergic Receptor antibody (ab77189)

Immunocytochemistry/Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10µg/mL) followed by Alexa Fluor 488 secondary antibody (2µg/mL), showing membrane and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10µg/mL) followed by Alexa Fluor 488 secondary antibody (2µg/mL).

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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